FIG. 1

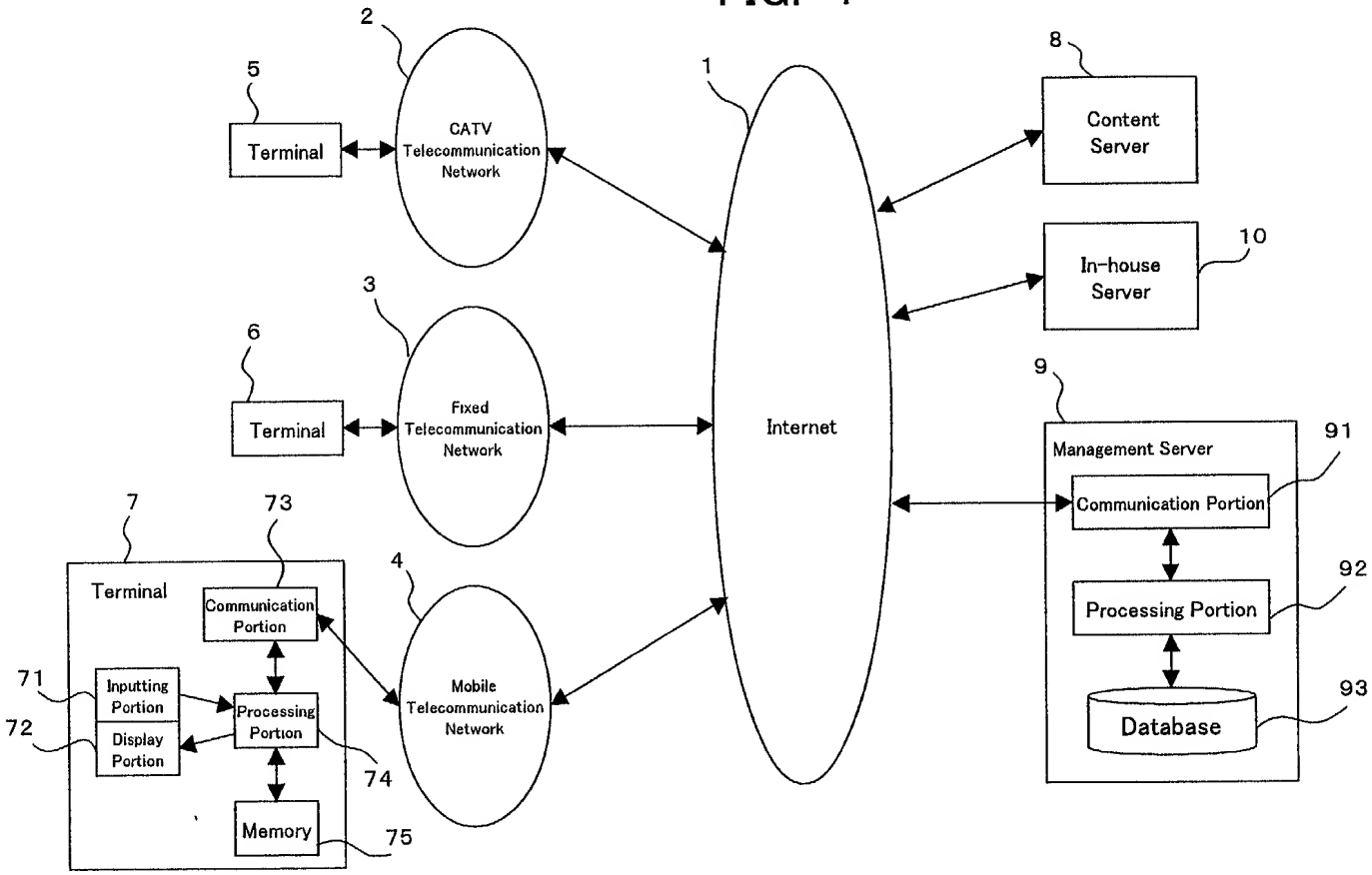
2
5
Terminal
CATV Telecommunication Network
1
8
Content Server
In-house Server
10
3
6
Terminal
Fixed Telecommunication Network
Internet
9
Management Server
91
Communication Portion
92
Processing Portion
93
Database
7
73
Terminal
Communication Portion
4
71
Inputting Portion
72
Display Portion
Processing Portion
74
Memory
75
Mobile Telecommunication Network

FIG. 2A

Group Name	ABC
Password	*****
Registrant's Name	A
No.of Terminals	3

FIG. 2B

Terminal Name	A
Terminal No.	1
Transmission Destination	IP Address
Terminal Classification	1
. . .	. . .

FIG. 3A

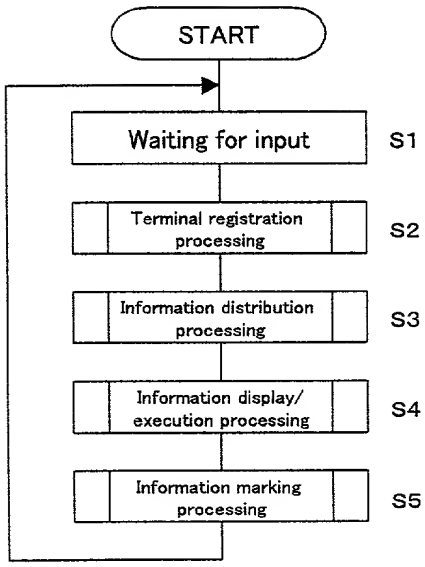
START
Waiting for input
S1
Terminal registration processing
S2
Information distribution processing
S3
Information display/ execution processing
S4
Information marking processing
S5

FIG. 3B

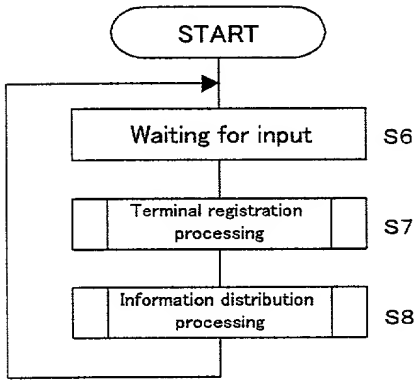
START
Waiting for input
S6
Terminal registration processing
S7
Information distribution processing
S8

FIG. 4

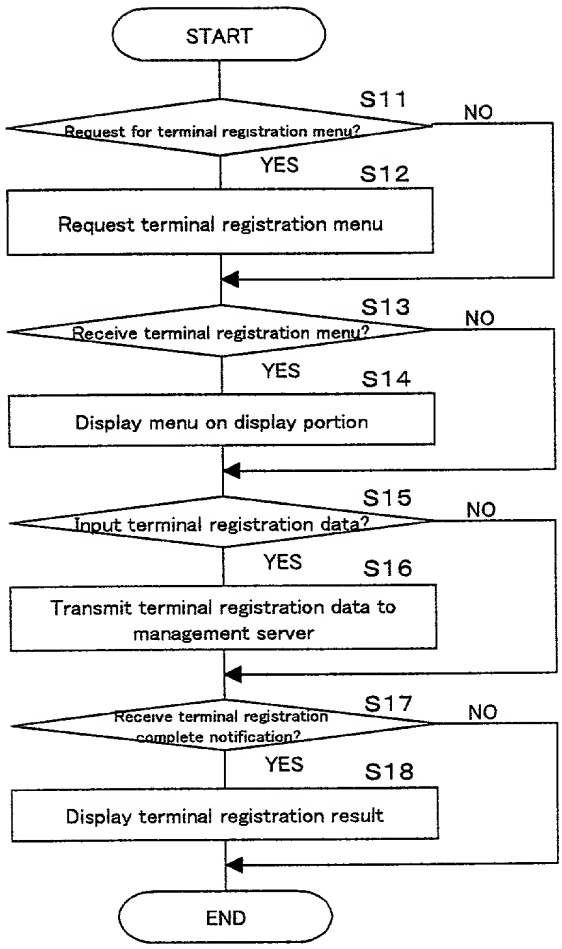
START
S11
Request for terminal registration menu?
NO
YES
S12
Request terminal registration menu
S13
Receive terminal registration menu?
NO
YES
S14
Display menu on display portion
S15
Input terminal registration data?
NO
YES
S16
Transmit terminal registration data to management server
S17
Receive terminal registration complete notification?
NO
YES
S18
Display terminal registration result
END

FIG. 5

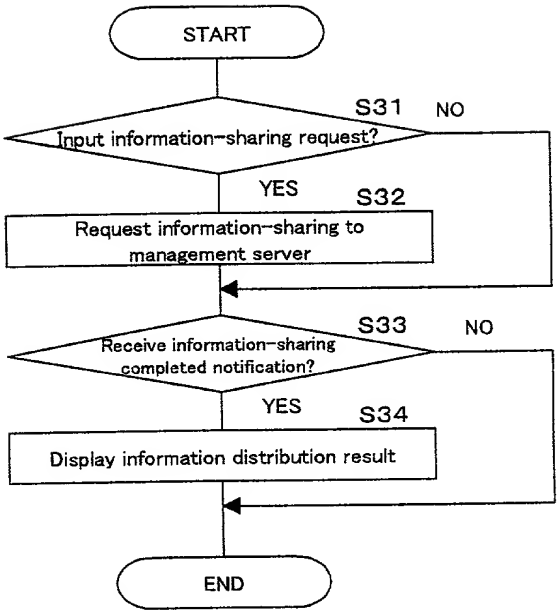
START
S31
NO
Input information-sharing request?
YES
S32
Request information-sharing to management server
S33
NO
Receive information-sharing completed notification?
YES
S34
Display information distribution result
END

FIG. 6

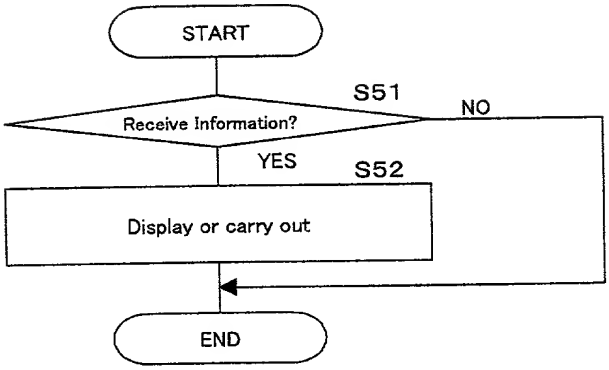
START
S51
Receive Information?
NO
YES
S52
Display or carry out
END

FIG. 7

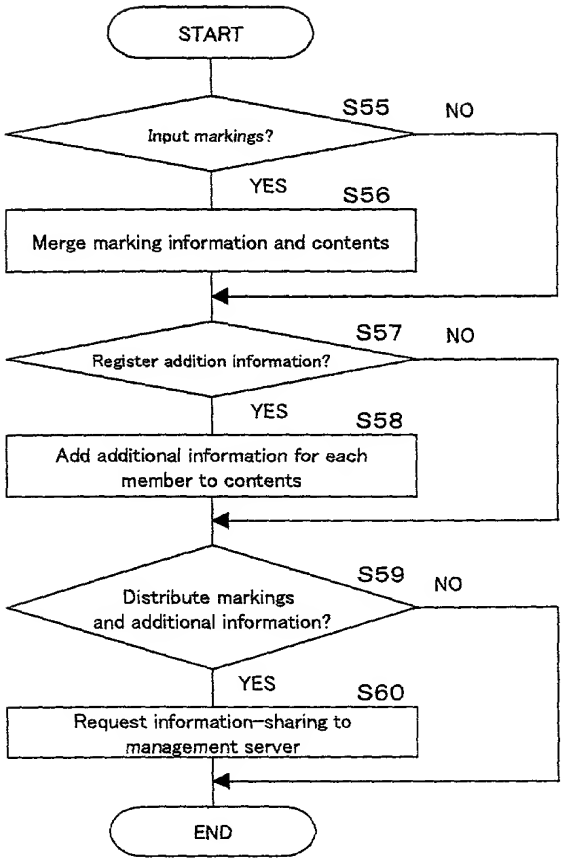
START
S55
Input markings?
NO
YES
S56
Merge marking information and contents
S57
Register addition information?
NO
YES
S58
Add additional information for each member to contents
S59
Distribute markings and additional information?
NO
YES
S60
Request information-sharing to management server
END

FIG. 8

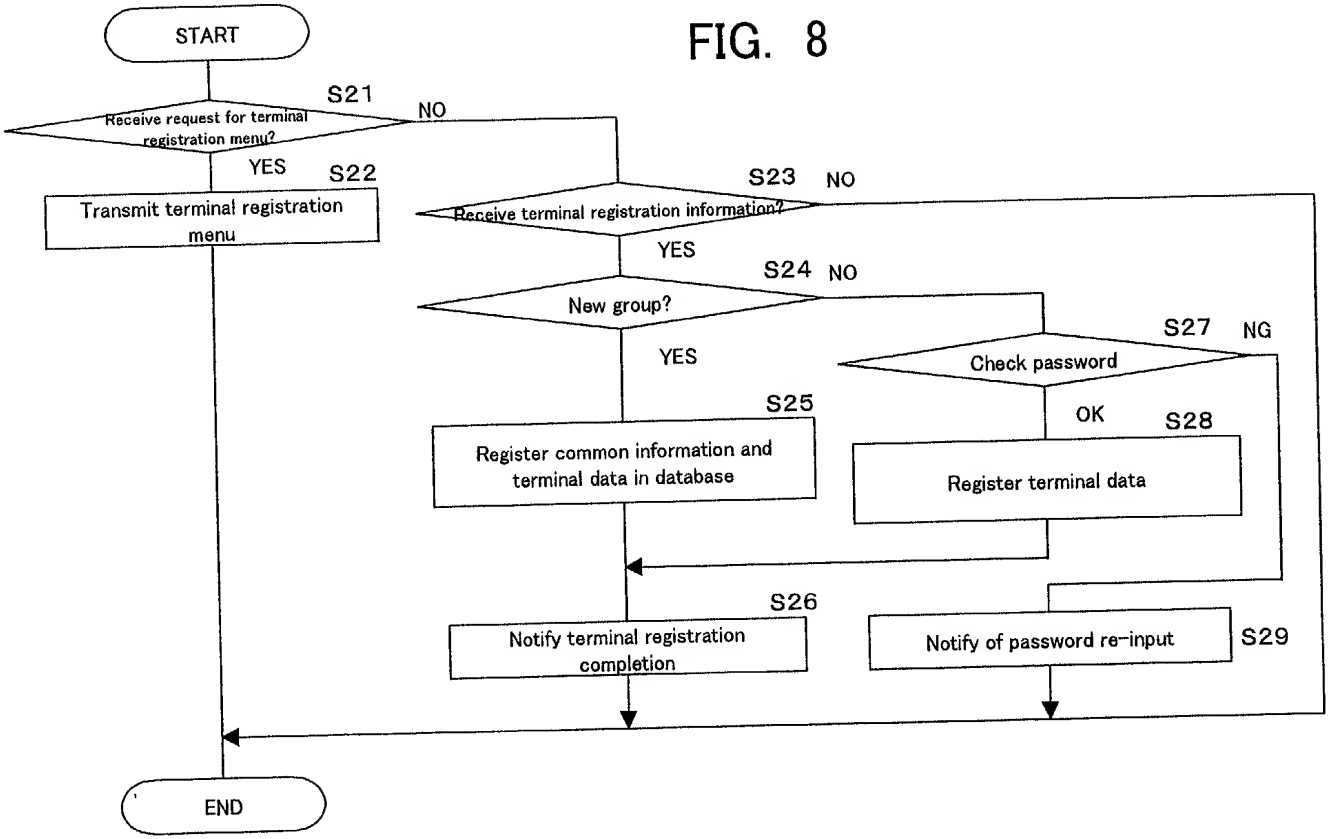
START
S21
Receive request for terminal registration menu?
NO
YES
S22
Transmit terminal registration menu
S23
Receive terminal registration information?
NO
YES
S24
New group?
NO
YES
S25
Register common information and terminal data in database
S27
Check password
NG
OK
S28
Register terminal data
S26
Notify terminal registration completion
Notify of password re-input
S29
END

FIG. 9

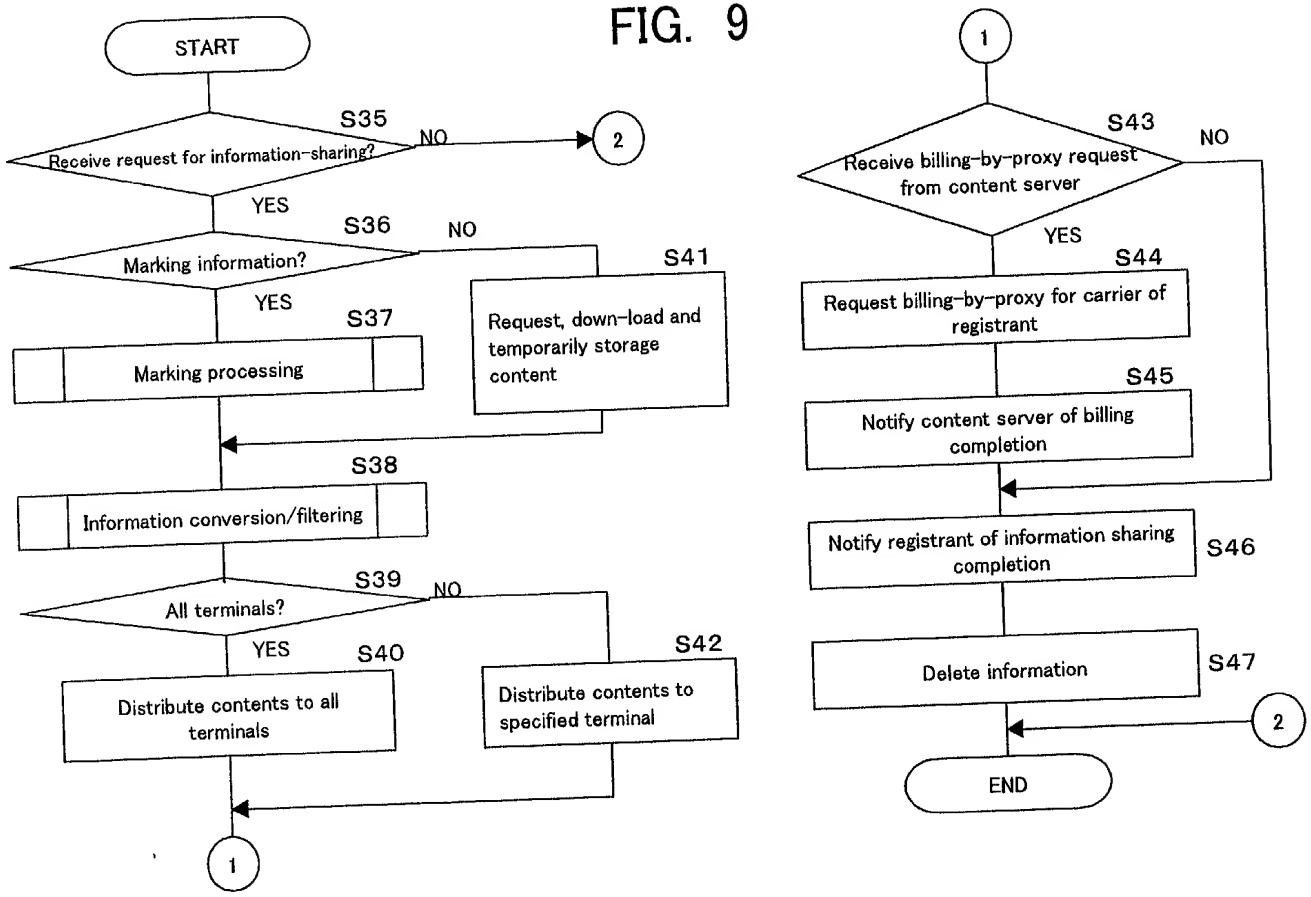
START
S35
Receive request for information-sharing?
NO
2
YES
S36
Marking information?
NO
S41
YES
S37
Marking processing
Request, down-load and temporarily storage content
S38
Information conversion/filtering
S39
All terminals?
NO
YES
S40
Distribute contents to all terminals
S42
Distribute contents to specified terminal
1
1
S43
Receive billing-by-proxy request from content server
NO
YES
S44
Request billing-by-proxy for carrier of registrant
S45
Notify content server of billing completion
Notify registrant of information sharing completion
S46
Delete information
S47
2
END

FIG. 10

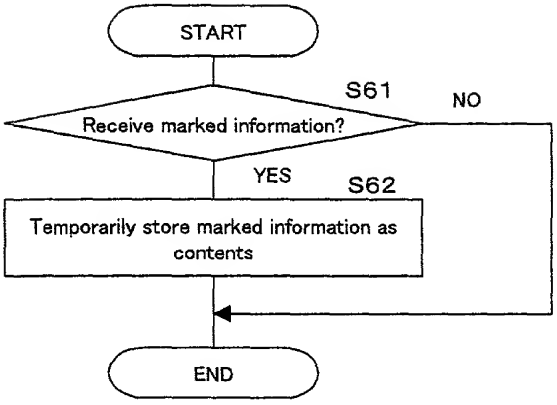
START
S61
NO
Receive marked information?
YES
S62
Temporarily store marked information as contents
END

FIG. 11

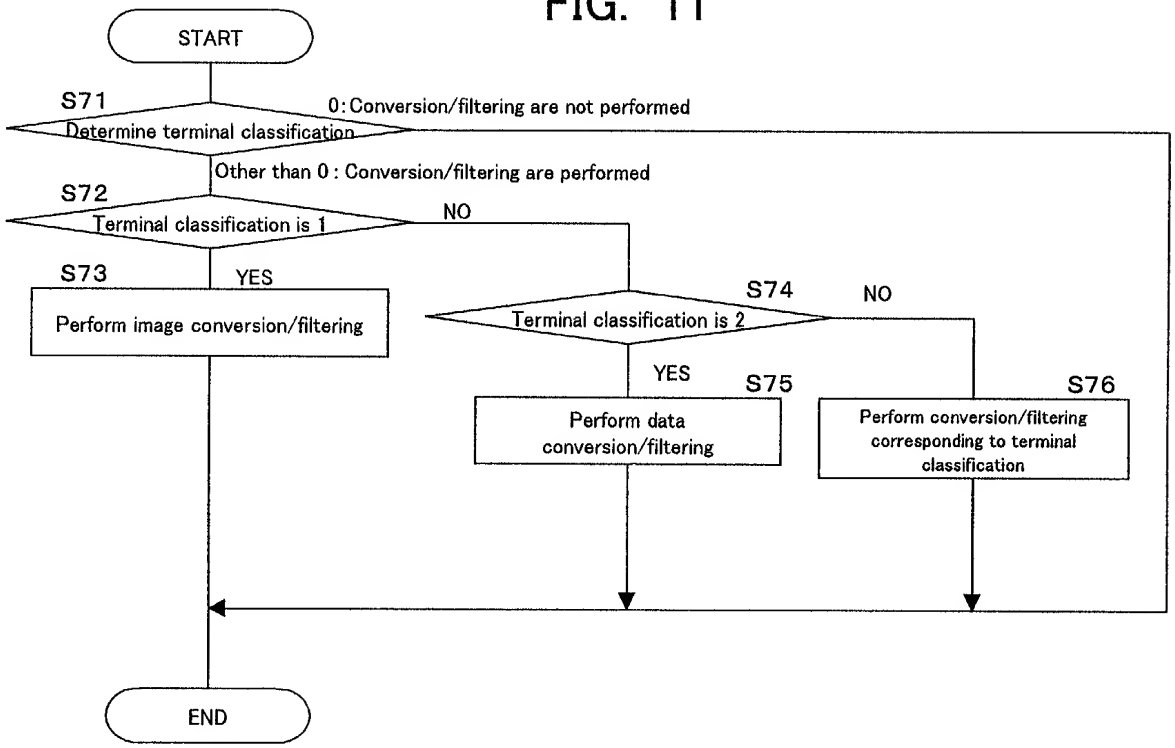
START
S71
Determine terminal classification
0: Conversion/filtering are not performed
Other than 0 : Conversion/filtering are performed
S72
Terminal classification is 1
NO
S73
YES
Perform image conversion/filtering
S74
Terminal classification is 2
NO
YES
S75
Perform data conversion/filtering
S76
Perform conversion/filtering corresponding to terminal classification
END

FIG. 12

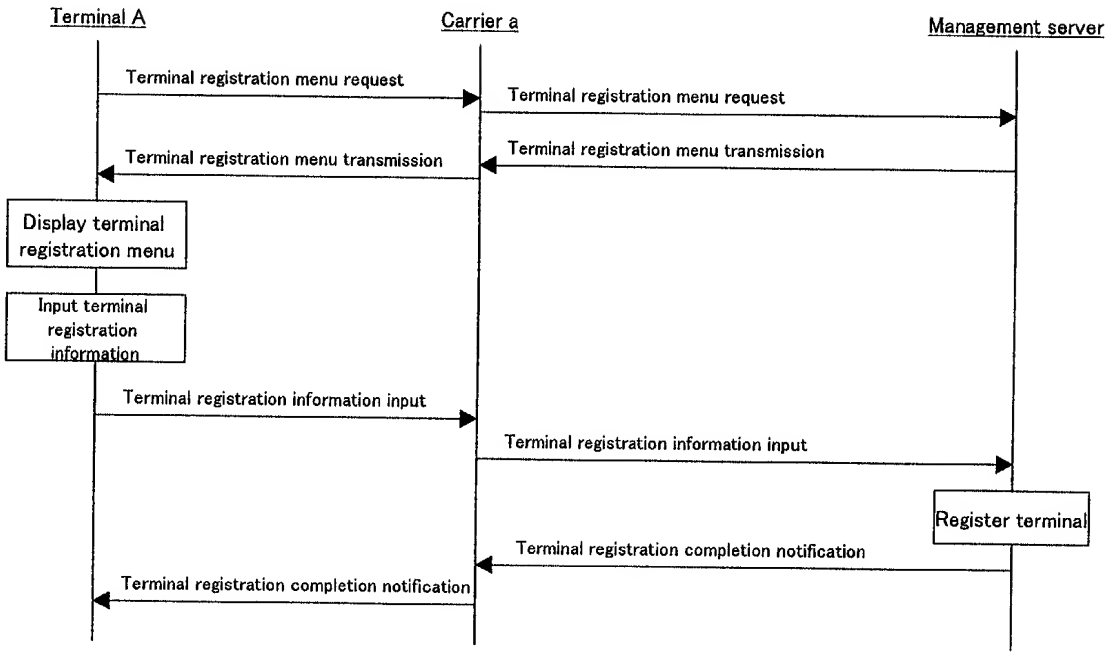
Terminal A
Carrier a
Management server
Terminal registration menu request
Terminal registration menu request
Terminal registration menu transmission
Terminal registration menu transmission
Display terminal registration menu
Input terminal registration information
Terminal registration information input
Terminal registration information input
Register terminal
Terminal registration completion notification
Terminal registration completion notification

FIG. 13

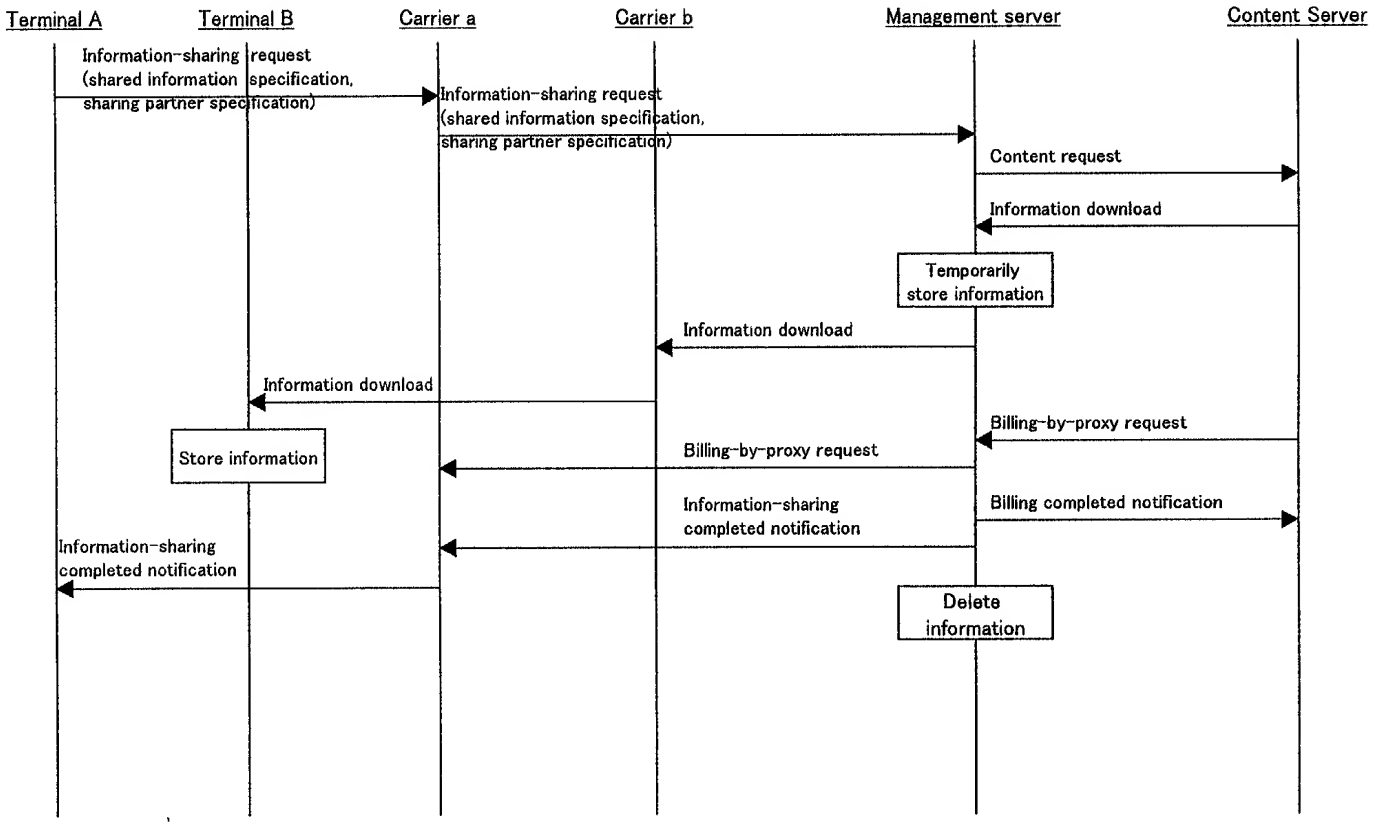
Terminal A
Terminal B
Carrier a
Carrier b
Management server
Content Server
Information-sharing request (shared information specification, sharing partner specification)
Information-sharing request (shared information specification, sharing partner specification)
Content request
Information download
Temporarily store information
Information download
Information download
Billing-by-proxy request
Store information
Billing-by-proxy request
Information-sharing completed notification
Billing completed notification
Information-sharing completed notification
Delete information

FIG. 14

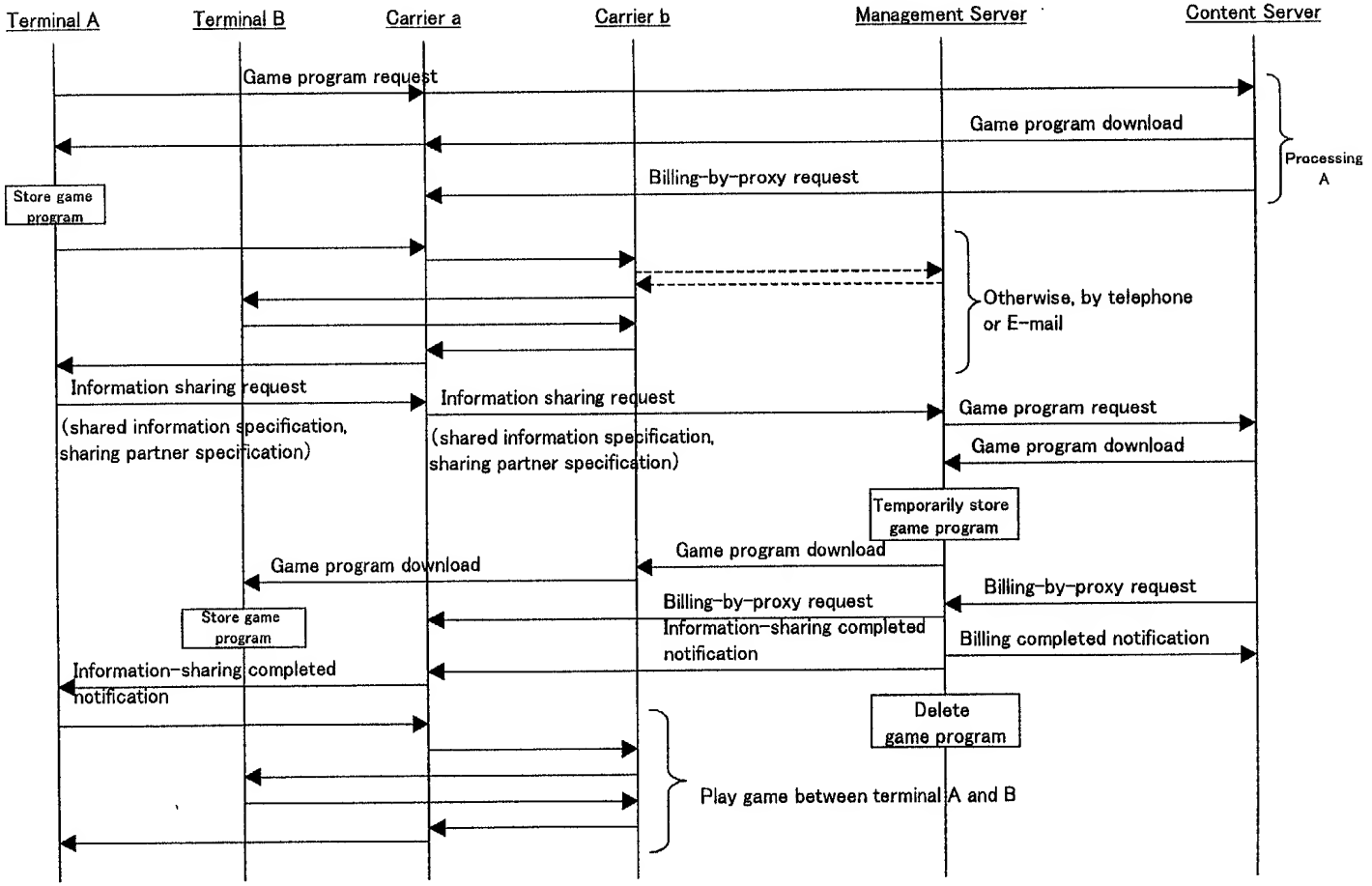
Terminal A
Terminal B
Carrier a
Carrier b
Management Server
Content Server
Game program request
Game program download
Processing A
Billing-by-proxy request
Store game program
Otherwise, by telephone or E-mail
Information sharing request
(shared information specification, sharing partner specification)
Information sharing request
(shared information specification, sharing partner specification)
Game program request
Game program download
Temporarily store game program
Game program download
Game program download
Billing-by-proxy request
Billing-by-proxy request
Store game program
Information-sharing completed notification
Billing completed notification
Information-sharing completed notification
Delete game program
Play game between terminal A and B

FIG. 15

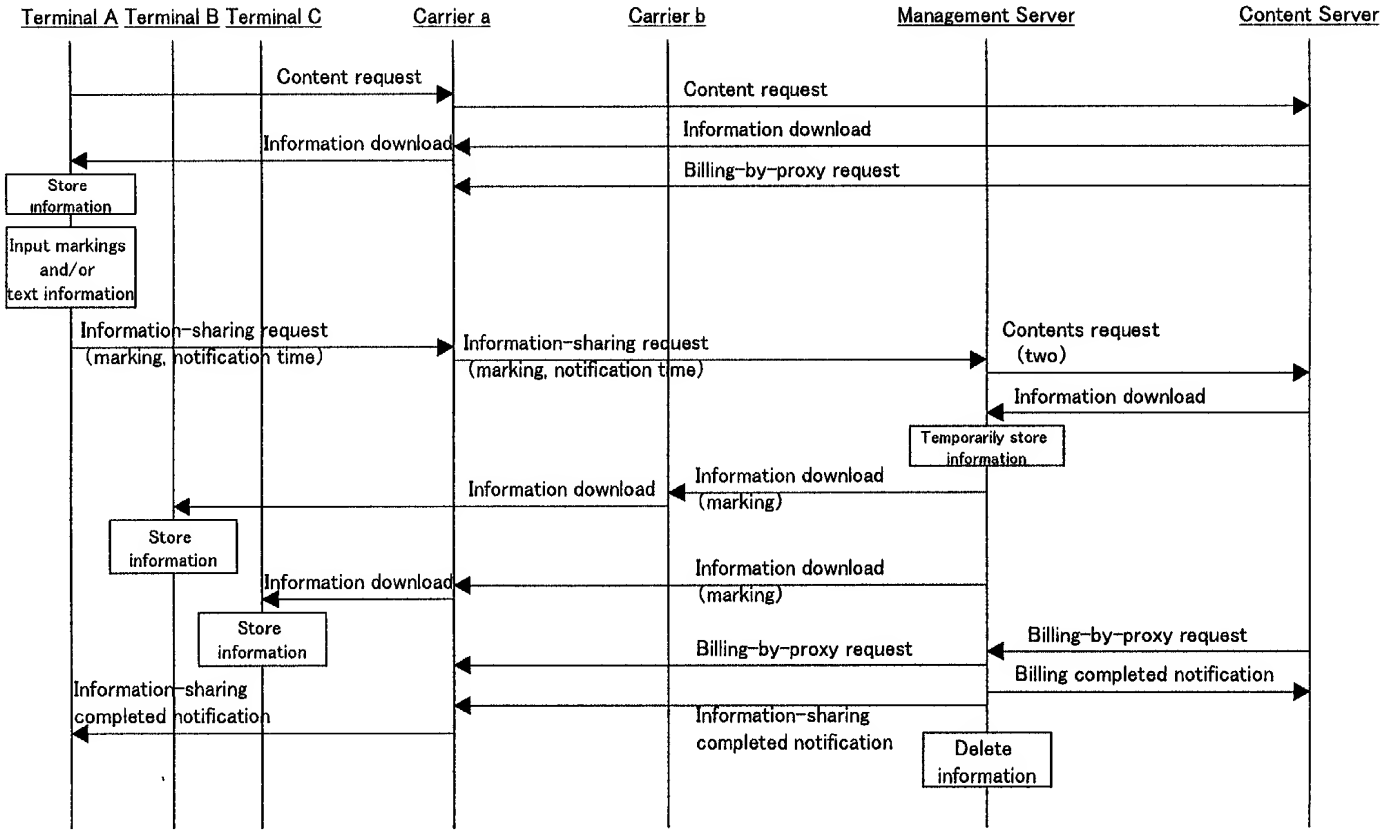
Terminal A
Terminal B
Terminal C
Carrier a
Carrier b
Management Server
Content Server
Content request
Content request
Information download
Information download
Billing-by-proxy request
Store information
Input markings and/or text information
Information-sharing request (marking, notification time)
Information-sharing request (marking, notification time)
Contents request (two)
Information download
Temporarily store information
Information download
Information download (marking)
Store information
Information download
Information download (marking)
Store information
Billing-by-proxy request
Billing-by-proxy request
Billing completed notification
Information-sharing completed notification
Information-sharing completed notification
Delete information

FIG. 16

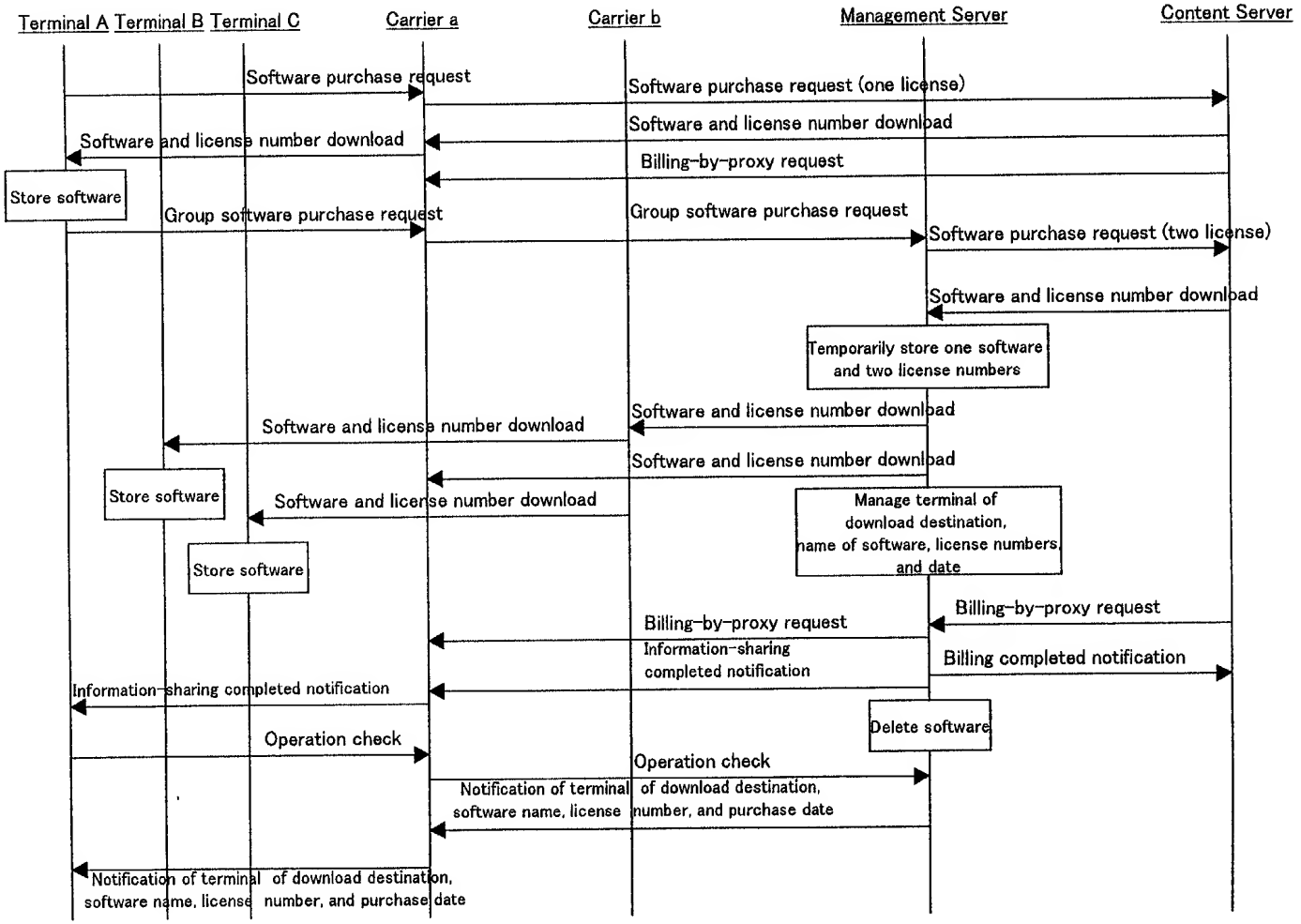
Terminal A
Terminal B
Terminal C
Carrier a
Carrier b
Management Server
Content Server
Software purchase request
Software purchase request (one license)
Software and license number download
Software and license number download
Billing-by-proxy request
Store software
Group software purchase request
Group software purchase request
Software purchase request (two license)
Software and license number download
Temporarily store one software and two license numbers
Software and license number download
Software and license number download
Software and license number download
Store software
Software and license number download
Manage terminal of download destination, name of software, license numbers, and date
Store software
Billing-by-proxy request
Billing-by-proxy request
Information-sharing completed notification
Billing completed notification
Information-sharing completed notification
Delete software
Operation check
Operation check
Notification of terminal of download destination, software name, license number, and purchase date
Notification of terminal of download destination, software name, license number, and purchase date

FIG. 17

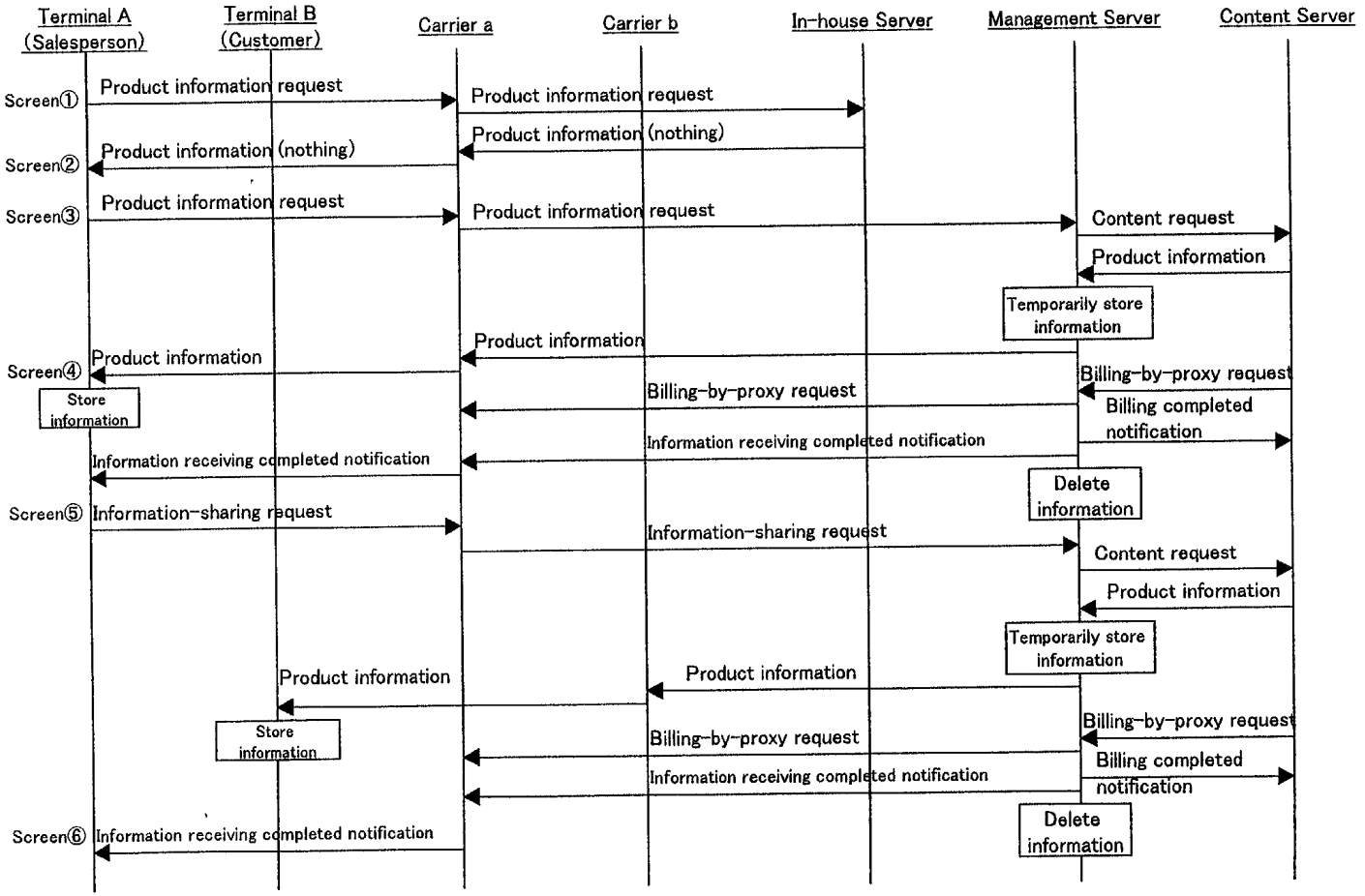
Terminal A (Salesperson)
Terminal B (Customer)
Carrier a
Carrier b
In-house Server
Management Server
Content Server
Screen①
Product information request
Product information request
Product information (nothing)
Screen②
Product information (nothing)
Screen③
Product information request
Product information request
Content request
Product information
Temporarily store information
Product information
Screen④
Product information
Billing-by-proxy request
Store information
Billing-by-proxy request
Billing completed notification
Information receiving completed notification
Information receiving completed notification
Delete information
Screen⑤
Information-sharing request
Information-sharing request
Content request
Product information
Temporarily store information
Product information
Product information
Billing-by-proxy request
Store information
Billing-by-proxy request
Billing completed notification
Information receiving completed notification
Delete information
Screen⑥
Information receiving completed notification

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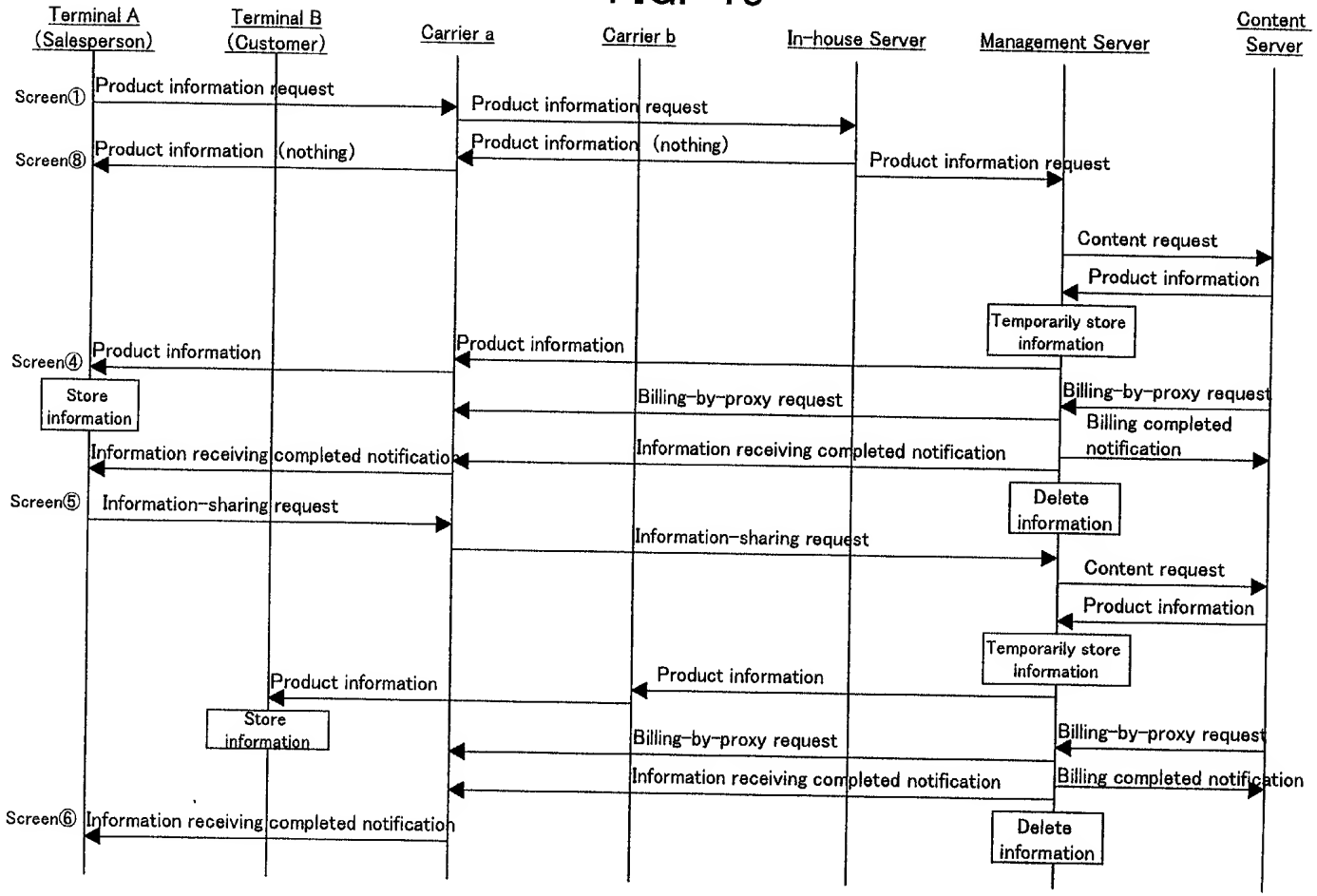
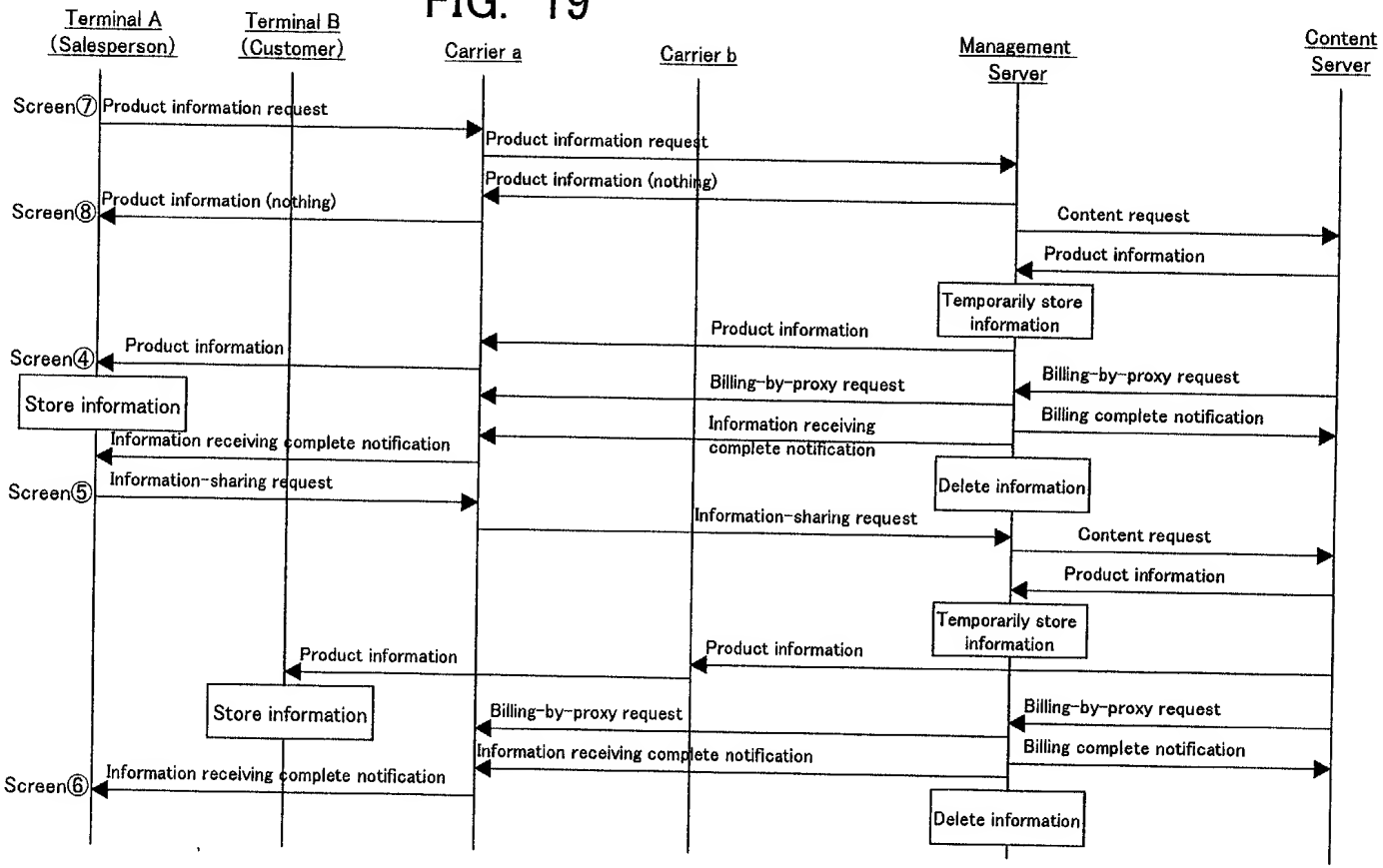
FIG. 18




Terminal A (Salesperson)
Terminal B (Customer)
Carrier a
Carrier b
Management Server
Content Server
Screen⑦
Product information request
Product information request
Product information (nothing)
Screen⑧
Product information (nothing)
Content request
Product information
Temporarily store information
Product information
Screen④
Product information
Billing-by-proxy request
Billing-by-proxy request
Store information
Billing complete notification
Information receiving complete notification
Information receiving complete notification
Delete information
Screen⑤
Information-sharing request
Information-sharing request
Content request
Product information
Temporarily store information
Product information
Product information
Store information
Billing-by-proxy request
Billing-by-proxy request
Information receiving complete notification
Billing complete notification
Screen⑥
Information receiving complete notification
Delete information

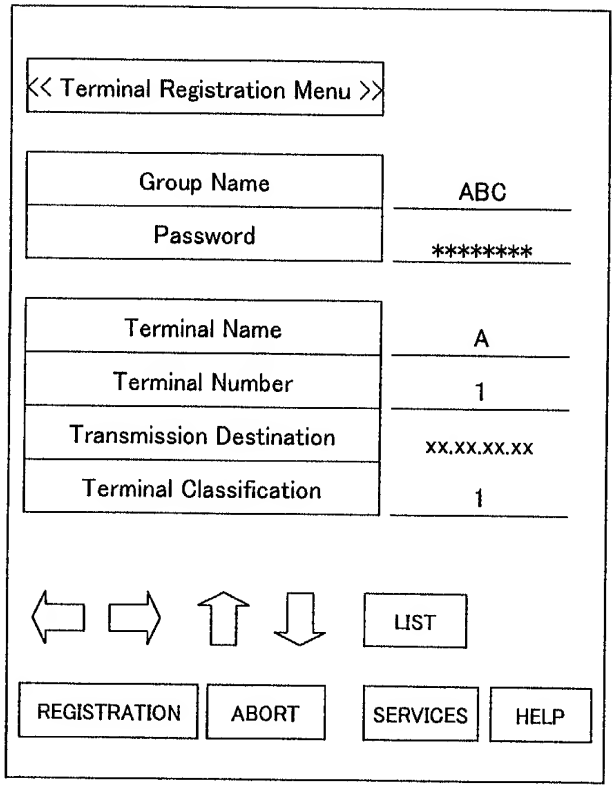


FIG. 20A

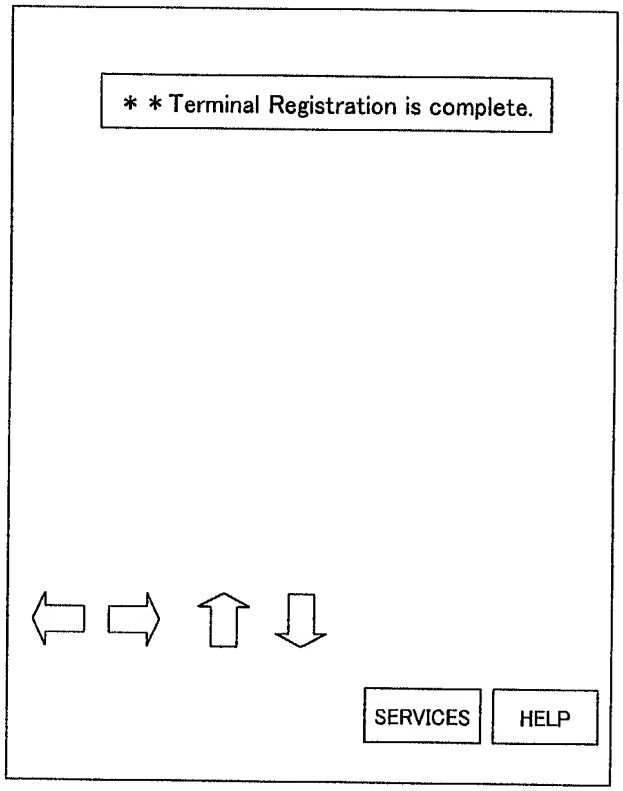


FIG. 20B

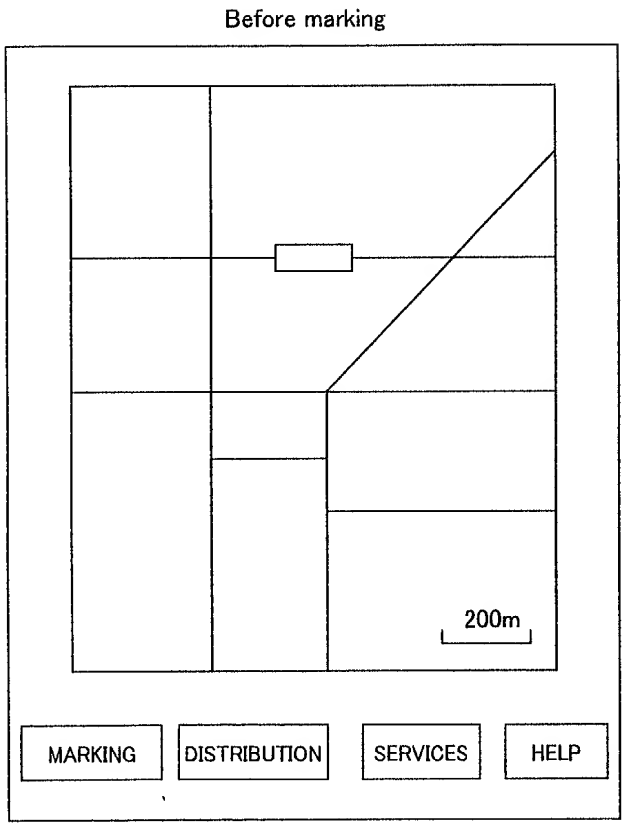


FIG. 21A

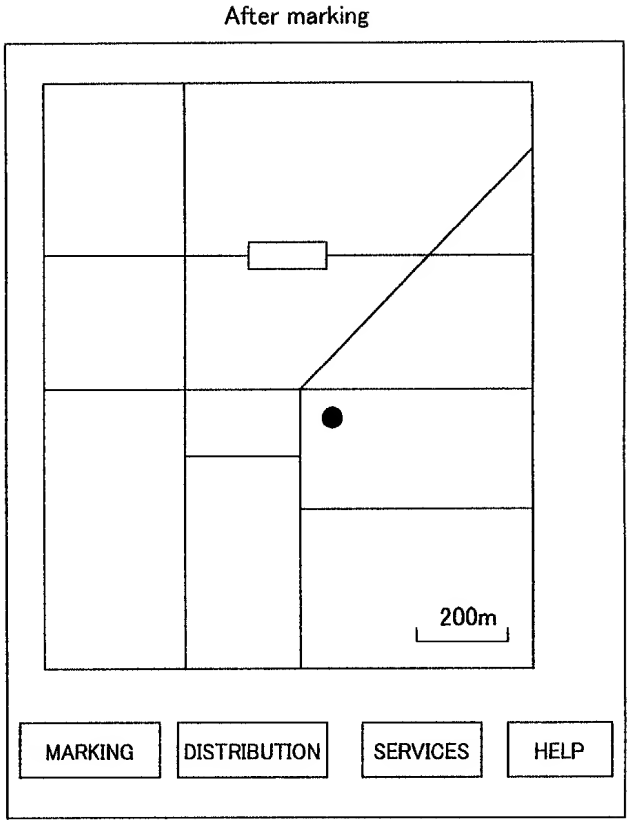


FIG. 21B

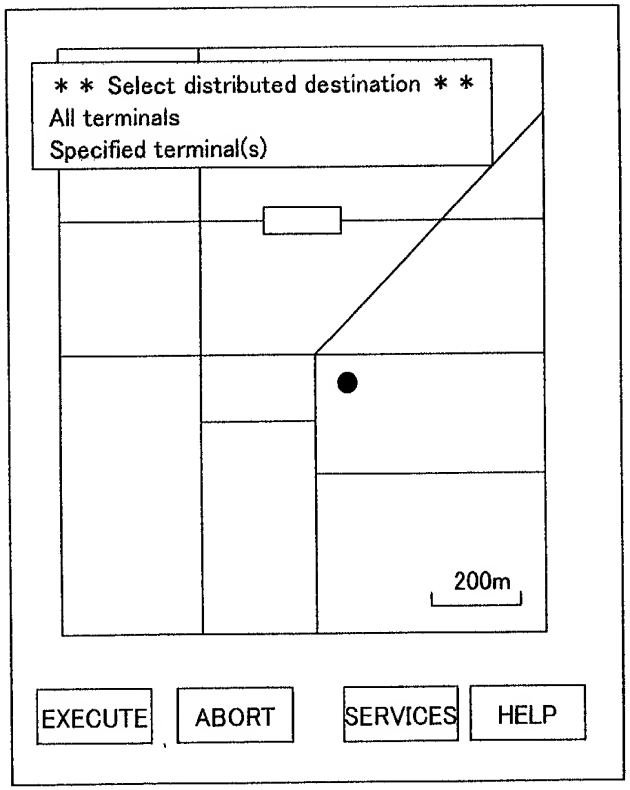


FIG. 22A

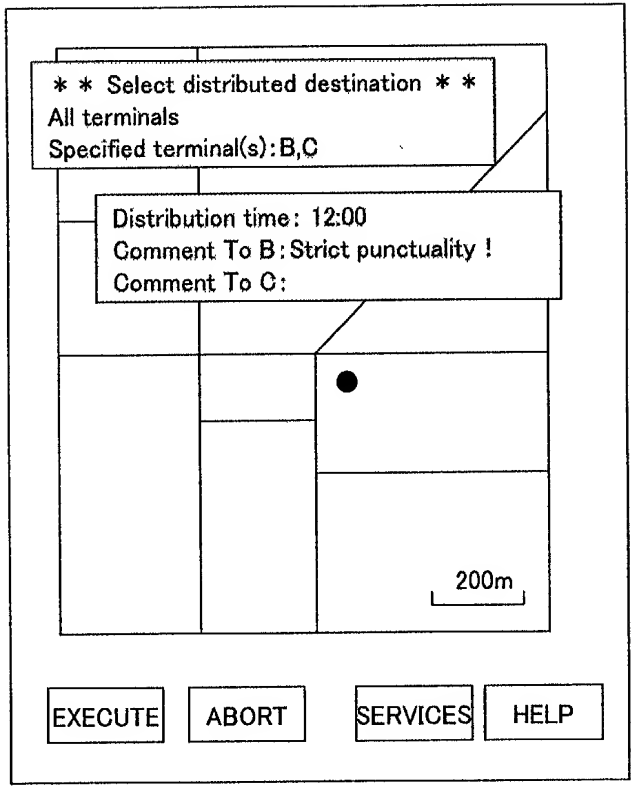
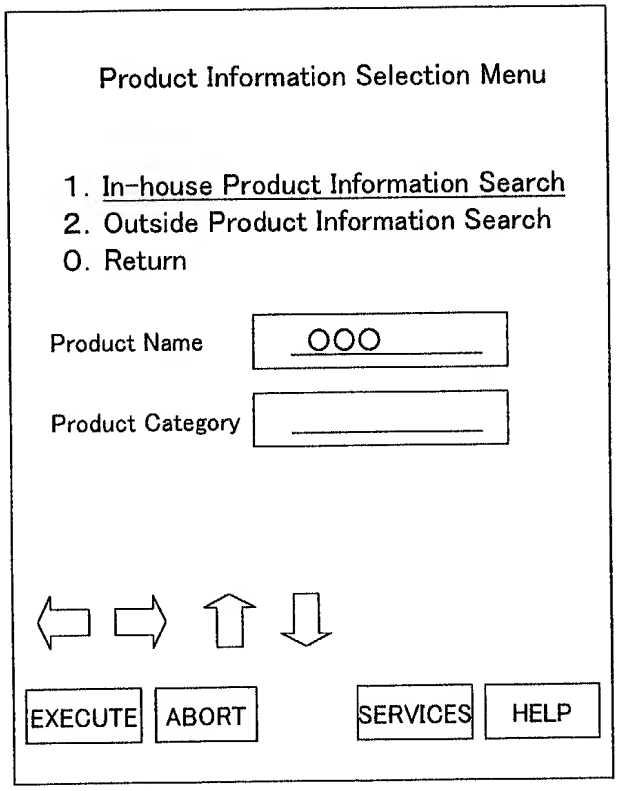
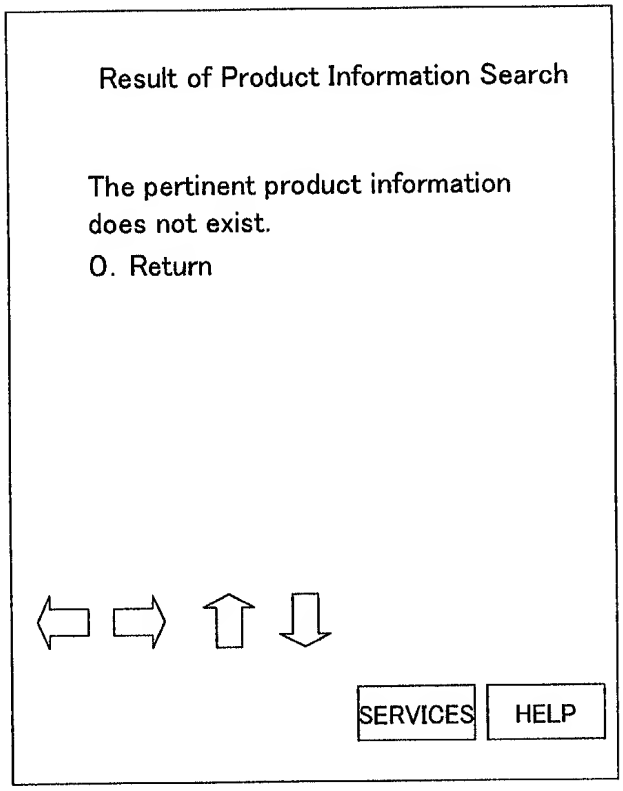


FIG. 22B



Screen ①

FIG. 23A



Screen ②

FIG. 23B

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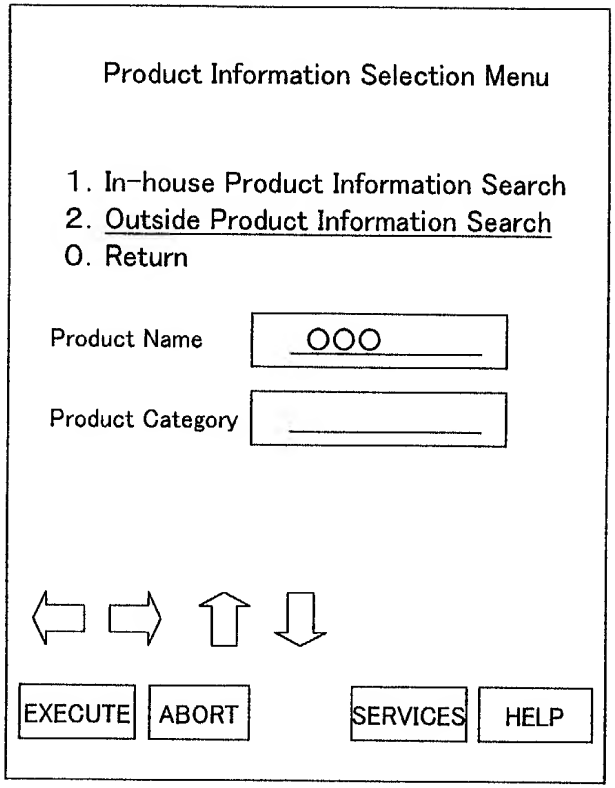
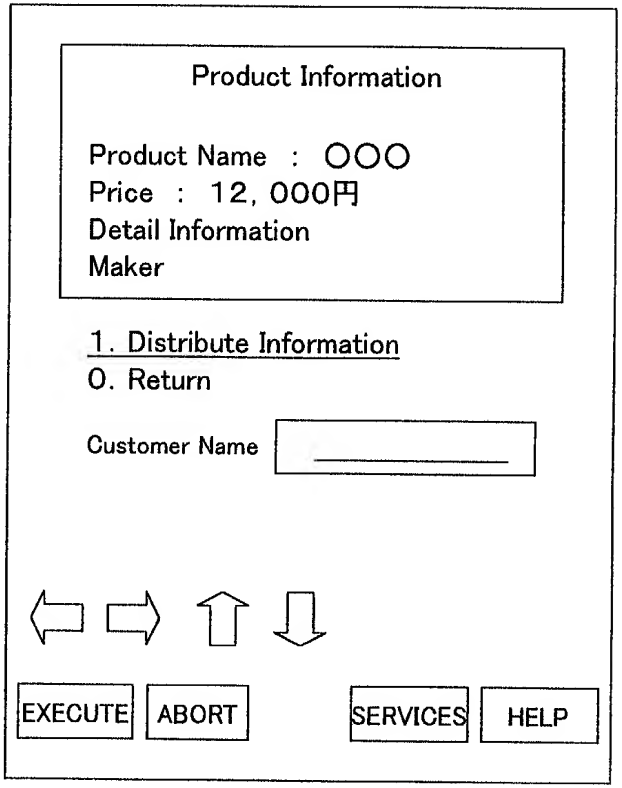


Screen ③

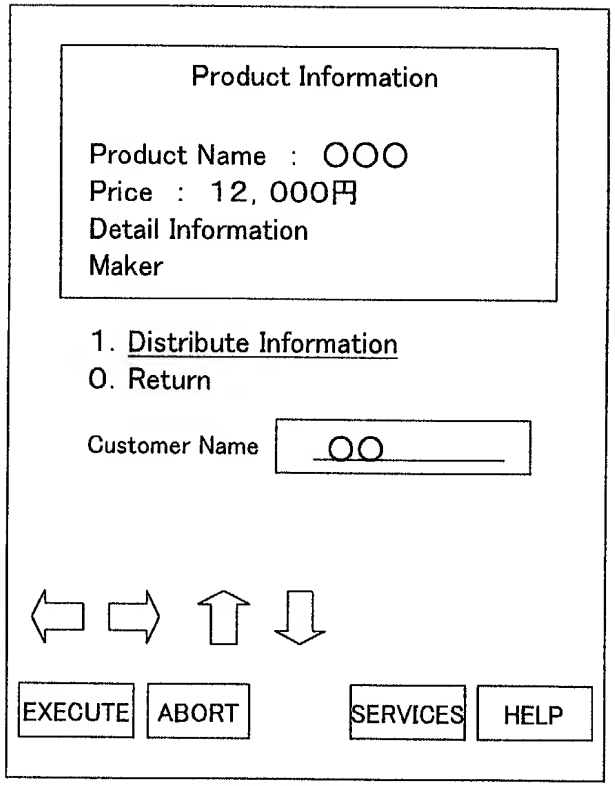
FIG. 24A



Screen ④

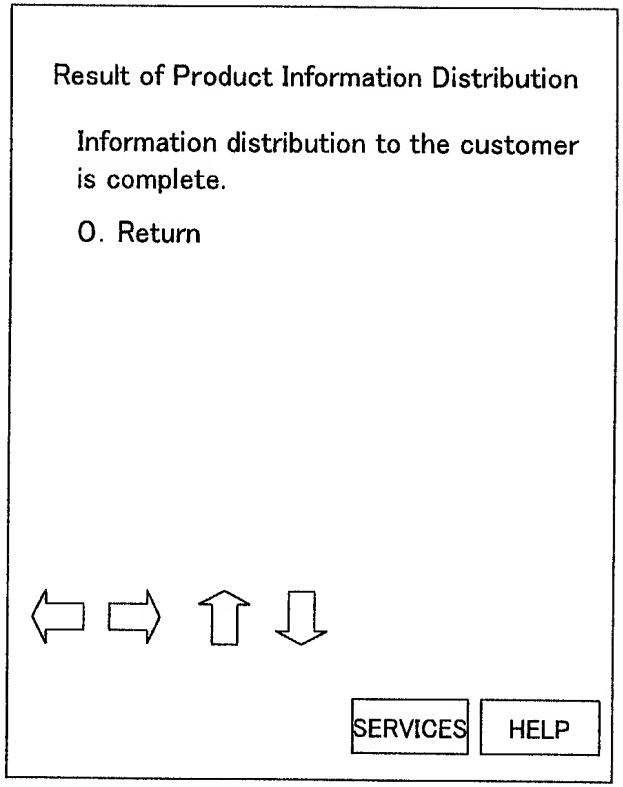
FIG. 24B

JP02-1026560



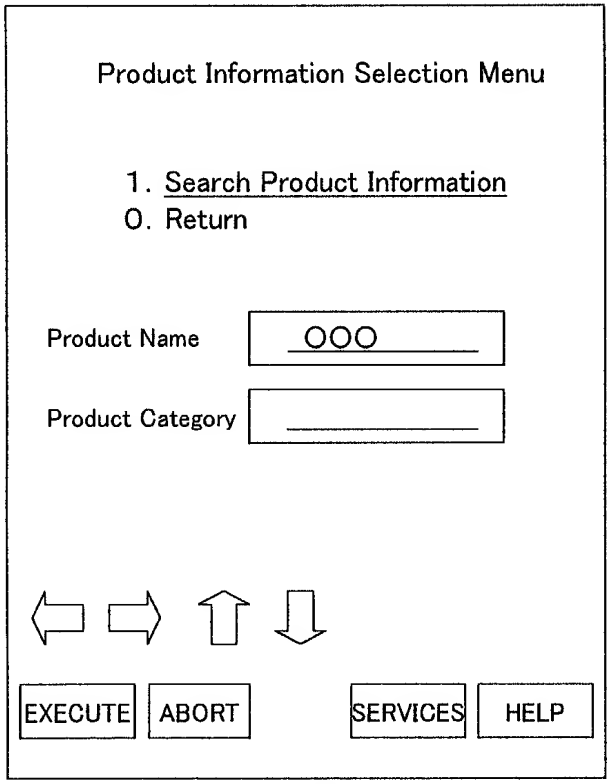
Screen ⑤

FIG. 25A



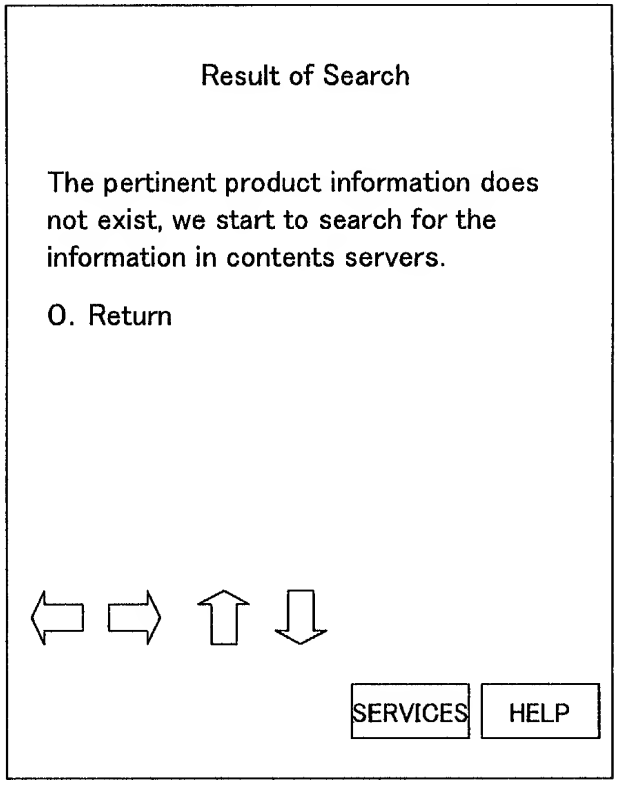
Screen ⑥

FIG. 25B



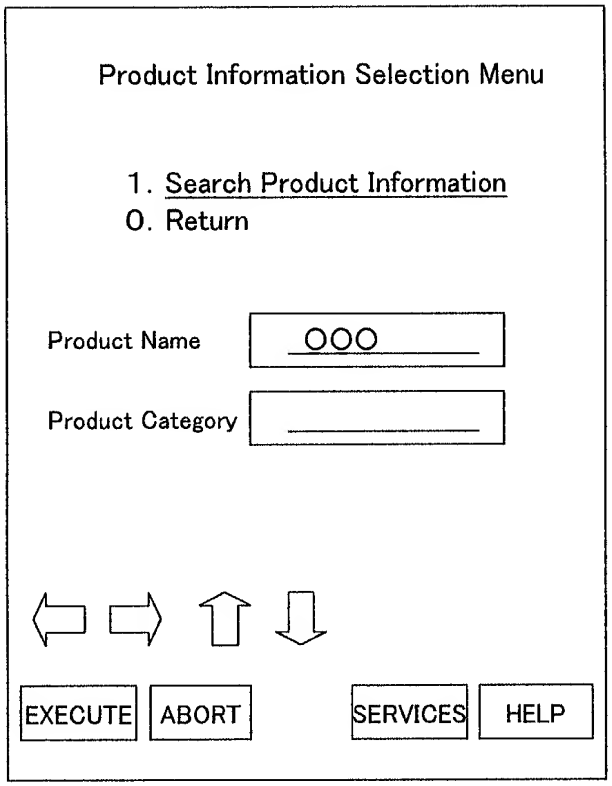
Screen ⑦

FIG. 26A



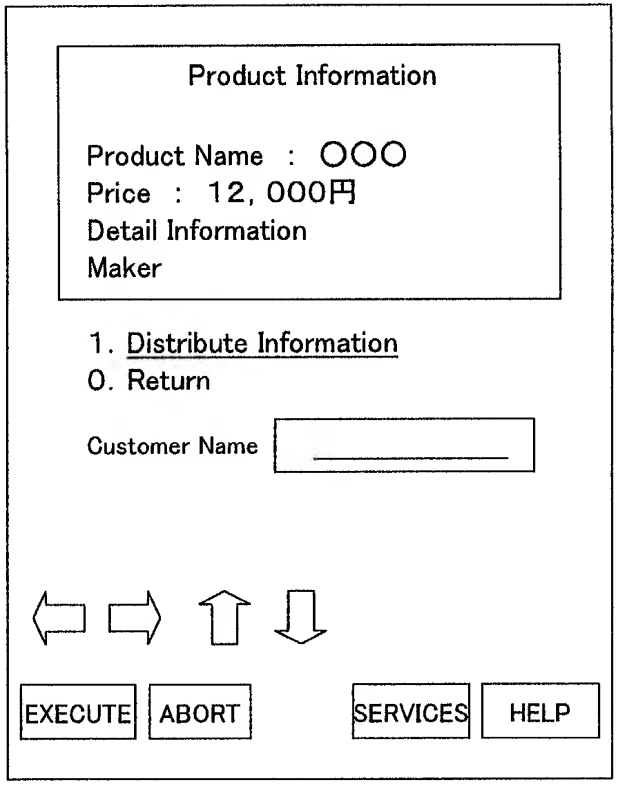
Screen ⑧

FIG. 26B



Screen ⑨

FIG. 27A



Screen ⑩

FIG. 27B

Product information request

Access Destination Information
Product Search Information
Return Destination Terminal Number

Access Destination Information ・In-house server address or ・Management server address
Product Search Information ・Product name ・Product category ・Option (New Product of duller spinner)

FIG. 28A

Product information

Content
Content address

FIG. 28B

Information-sharing request

Content address
Sharing destination terminal number

FIG. 28C

Information-receiving completed notification

Information-receiving completed notification
Sharing destination terminal number

FIG. 28D